

**SLOVENSKI STANDARD****SIST EN 61300-3-6:2009****01-junij-2009****BUXca Yý U.****SIST EN 61300-3-6:2004**

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Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss (IEC 61300-3-6:2008)

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Lichtwellenleiter - Verbindungselemente und passive Bauteile - Grundlegende Prüf- und Messverfahren - Teil 3-6: Untersuchungen und Messungen - Rückflussdämpfung (IEC 61300-3-6:2008)

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Dispositifs d'interconnexion et composants passifs à fibres optiques - Méthodes fondamentales d'essais et de mesures - Partie 3-6: Examens et mesures - Affaiblissement de réflexion (CEI 61300-3-6:2008)

**Ta slovenski standard je istoveten z: EN 61300-3-6:2009**

**ICS:**

33.180.20      Ú[ ç^: [ çã} ^Áæ|æ^Áæ      Fibre optic interconnecting  
[ ] cã } æç|æ } æ      devices

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

## EN 61300-3-6

March 2009

ICS 33.180.20

Supersedes EN 61300-3-6:2003

English version

**Fibre optic interconnecting devices and passive components -  
Basic test and measurement procedures -  
Part 3-6: Examinations and measurements -  
Return loss  
(IEC 61300-3-6:2008)**

Dispositifs d'interconnexion  
et composants passifs à fibres optiques -  
Méthodes fondamentales d'essais  
et de mesures -  
Partie 3-6: Examens et mesures -  
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Lichtwellenleiter -  
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(IEC 61300-3-6:2008)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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# CENELEC

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 86B/2762/FDIS, future edition 3 of IEC 61300-3-6, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61300-3-6 on 2009-03-01.

This European Standard supersedes EN 61300-3-6:2003.

The changes with respect to EN 61300-3-6:2003 are to reconsider the constitution of this standard and launch conditions for multimode fibres.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2009-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-03-01

Annex ZA has been added by CENELEC.

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### Endorsement notice

## iTeh STANDARD PREVIEW

The text of the International Standard IEC 61300-3-6:2008 was approved by CENELEC as a European Standard without any modification. ([standards.iteh.ai](https://standards.iteh.ai))

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## Annex ZA

(normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2	Series	Optical fibres - Part 2: Product specifications	EN 60793-2	Series
IEC 61300-1	- <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	2003 <sup>2)</sup>
IEC 61300-3-1	- <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination	EN 61300-3-1	2005 <sup>2)</sup>
IEC 61300-3-39	- <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-39: Examinations and measurements - PC optical connector reference plug selection	EN 61300-3-39	1997 <sup>2)</sup>

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(Standard.pdf.a)

<https://standardsite.sist-en-61300-3-6-2009/10.1.1/10.4501-10.1.1/2d-9ba5-7887500bfa3a/sist-en-61300-3-6-2009>

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –  
(standards.iteh.ai)**  
**Part 3-6: Examinations and measurements – Return loss**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –  
Méthodes fondamentales d'essais et de mesures –  
Partie 3-6: Examens et mesures – Affaiblissement de réflexion**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

U

ICS 33.180.20

ISBN 2-8318-1019-2

## CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references.....	7
3 General description.....	7
3.1 Method 1 .....	8
3.2 Method 2 .....	8
3.3 Method 3 .....	8
3.4 Method 4 .....	8
3.5 Selection of reference measurement method .....	8
4 Apparatus and symbols.....	9
4.1 Device under test (DUT) .....	9
4.2 Method 1: measurements with OCWR.....	9
4.2.1 Branching device (BD) .....	10
4.2.2 Detector (D <sub>1</sub> , D <sub>2</sub> and D <sub>3</sub> ) .....	10
4.2.3 Source (S <sub>1</sub> and S <sub>2</sub> ) .....	10
4.2.4 Temporary joint (TJ) .....	10
4.2.5 Termination (T) .....	10
4.3 Method 2: measurements with OTDR .....	11
4.3.1 Optical time domain reflectometer (OTDR) .....	11
4.3.2 Fibre sections (L <sub>1</sub> , L <sub>2</sub> , and L <sub>3</sub> ) .....	11
4.3.3 Temporary joints (TJ) .....	11
4.4 Method 3: measurements with OLCR.....	11
4.4.1 Light source (S) .....	12
4.4.2 Branching device (BD) .....	12
4.4.3 Optical delay line (ODL) .....	12
4.4.4 Optical detector (D) .....	12
4.4.5 Temporary joint (TJ) .....	12
4.4.6 Data processing unit .....	12
4.5 Method 4: measurements with an OFDR .....	13
4.5.1 RF network analyser .....	13
4.5.2 Optical heads – Source (S) and receiver (D) .....	13
4.5.3 Optical variable attenuator (A) (optional) .....	13
4.5.4 Optical amplifier (OA) (optional) .....	13
4.5.5 Isolator (I) (optional) .....	14
4.5.6 Branching device (BD) .....	14
4.5.7 Temporary joint (TJ) .....	14
4.5.8 Computer.....	14
5 Procedure.....	14
5.1 Launch conditions.....	14
5.2 Pre-conditioning .....	14
5.3 DUT output port.....	14
5.4 Method 1: measurement with OCWR .....	14
5.4.1 Definition of the OCWR measurement.....	14
5.4.2 Set-up characterization .....	15
5.4.3 Measurement procedure .....	17

5.4.4	Accuracy considerations .....	18
5.5	Method 2: measurement with OTDR.....	18
5.5.1	Definition of the OTDR measurement.....	18
5.5.2	Evaluation of backscattering coefficient.....	19
5.5.3	Measurement procedure .....	20
5.5.4	Accuracy considerations .....	21
5.6	Method 3: measurement with OLCR.....	21
5.6.1	Calibration procedure.....	21
5.6.2	Measurement procedure .....	21
5.6.3	Accuracy considerations .....	22
5.7	Method 4: measurements with OFDR .....	22
5.7.1	Calibration procedure.....	22
5.7.2	Measurement procedure .....	22
5.7.3	Accuracy considerations .....	22
6	Details to be specified.....	23
6.1	Return loss measurement with OCWR .....	23
6.1.1	Reference components .....	23
6.1.2	Branching device .....	23
6.1.3	Detector.....	23
6.1.4	Source.....	24
6.1.5	Temporary joint.....	24
6.1.6	Termination .....	24
6.2	Return loss measurement with OTDR .....	24
6.2.1	Reference components .....	24
6.2.2	OTDR .....	24
6.2.3	$L_1$ , $L_2$ , and $L_3$ .....	24
6.2.4	Fibre.....	24
6.3	Return loss measurement with OLCR.....	24
6.3.1	Reference components .....	24
6.3.2	Source.....	25
6.3.3	Branching device (BD) .....	25
6.4	Return loss measurement with OFDR .....	25
6.4.1	Reference components .....	25
6.4.2	Vector network analyser.....	25
6.4.3	Branching device .....	25
6.4.4	Source.....	25
6.4.5	Detector.....	25
6.4.6	Optical amplifier (optional) .....	26
6.4.7	Isolator (optional).....	26
6.4.8	Calibration .....	26
6.5	Measurement procedure .....	26
Annex A (informative)	Comparison of return loss detectable by four different methods .....	27
Figure 1	– Measurement set-up of return loss OCWR method.....	9
Figure 2	– Measurement set-up of return loss with OTDR method.....	11
Figure 3	– Measurement set-up of return loss with OLCR method .....	12
Figure 4	– Measurement set-up of return loss with OFDR method.....	13
Figure 5	– Measurement set-up of the system reflected power.....	15

Figure 6 – Measurement set-up of the branching device transfer coefficient.....	16
Figure 7 – Measurement set-up of the splitting ratio of the branching device .....	16
Figure 8 – Measurement set-up of return loss with an OCWR .....	17
Figure 9 – Typical OTDR trace of the response to a reflection.....	19
Figure A.1 – Comparison of detectable return loss, resolution and measurable distance for four return loss measurement methods .....	27
Table 1 – OTDR parameters for some pulse duration .....	20
Table 2 – Example of system data and relevant dynamic range.....	23

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[SIST EN 61300-3-6:2009](#)

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES  
AND PASSIVE COMPONENTS –  
BASIC TEST AND MEASUREMENT PROCEDURES –**

**Part 3-6: Examinations and measurements –  
Return loss**

**FOREWORD**

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61300-3-6 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2003. It constitutes a technical revision. The changes with respect to the previous edition are to reconsider the constitution of the document and launch conditions for multimode fibres.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/2762/FDIS	86B/2792/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of IEC 61300 series, published under the general title, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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